
Fall 1993

Lie-Nielsen TOOLWORKS INC.



Scrub Plane



On the Cover

NEW - Scrub Plane

A scrub plane is specifically designed to remove a large quantity of wood in a hurry. In the past scrub planes were used as one does a thickness planer – to take a rough sawn board down to size, finishing with a jack plane and smooth plane.

Today's woodworker will still find pleasure in using a scrub plane for this purpose, as well as find it practical for shaping irregular objects and producing an interesting finished surface, or jobs like backing out a length of molding to fit an irregular wall.

The Lie-Nielsen Scrub Plane has a cast iron body 7 1/2" long, with generous cherry knob and handle. The blade is massive to eliminate chatter – 3/16" thick x 1 1/2". A slight radius on the blade and on open throat allow taking a deep cut with ease. Modeled on the Stanley 40 1/2.

Scrub Plane	\$ 85.
Replacement Blade	\$ 18.

Ordering Information

Send check or money order with order or use MasterCard/Visa or American Express. Or call 800-327-2520 (in Maine: 273-2520 FAX 207-273-2657). Please include a UPS address if possible. Add \$4.00 per tool for shipping. Canadian orders add \$6.50 per tool. Overseas orders will be billed actual shipping charges.

If an item is out of stock you will be notified of projected delivery date.

If you are dissatisfied for any reason, return your tool within 30 days for your money back. Materials and workmanship are guaranteed for the life of your tool. If you ever have a problem using your tool, please let us know so we can help you.

Lie-Nielsen Toolworks, Inc.
Route 1 Warren, Maine 04864 USA
207 273-2520 FAX 207 273-2657

1-800-327-2520 to order



Skew Block Plane

This unusual plane derives from the Stanley #140 taken out of production many years ago. It is a block plane with a skewed blade and a removable side piece to allow quick conversion to rabbeting.

The set of the blade has been lowered to 12° and an adjustable fence added, making it more convenient for rabbeting and cross-grain work, such as fielding raised panels. The 1/8" by 1 1/2" blade is hardened to Rockwell 60-62 and has a

captive nut for positive and accurate adjusting. Castings are manganese bronze. Body is 6 7/8" x 1 7/8".

At two pounds, this plane is substantially heavier than the usual block plane. Extra weight and skewed low angle blade facilitate smooth, sure cutting, even in hard woods and difficult grains. Full polish and careful hand finishing are the final touches to this unique and beautiful tool.

Skew Block	\$ 140.
Replacement Blade	\$ 25.



Small Chisel Plane

Chisel Plane

After making some prototypes of this interesting and unusual plane discontinued by Stanley in 1944, it became apparent that a smaller version would also be handy. So we are offering the Chisel Plane in the original size, 10" x 2 1/4", and a half size, 6 1/2" x 1 3/4".

A chisel plane is different from a bullnose in that there is no support at all ahead of the blade - which makes for poor planing. But as a clean up tool with the blade set

flush with the sole this plane will excel, removing glue, trimming plugs and dovetails flush, cleaning into the very ends of rabbets.

Bronze body and cap, cherry knob and stainless blade adjuster with a hefty 3/16 blade.

Small Chisel Plane	\$ 90.
Replacement Blade	\$ 20.
Large Chisel Plane	\$ 120.
Replacement Blade	\$ 25.

Low Angle Block Plane

Our low angle block plane fits perfectly in the hand and slips easily in the pocket. The 5 1/4" body holds a 1/8" thick x 1 1/4" tool steel blade bedded at 12 1/2° tracked in a milled groove. Unobtrusive stainless steel blade adjuster offers blade control of micrometer ease and precision with a minimum (1/4 turn) backlash. Also available with a 20° blade angle.

The heft and feel of polished bronze fashioned in such a delightful shape will make this one of the most reached for tools in your kit.

Low Angle Block Plane	\$ 75.
Standard 20° Angle	\$ 75.
Replacement Blade	\$ 15.



Low Angle and 20° Block Planes

Blades – We make our blades from high carbon tool steel that we harden ourselves to an unusually hard Rockwell C60-62. Extra hardness means that the blade will hold an edge longer between sharpenings. Careful heat treatment provides a fine grain structure so that the blade will take a very fine edge. Our blades are also thicker than usual for a chatter-free cut. The final very important step is full surface grinding of the top, back and cutting edge, giving a smooth, flat surface requiring little honing before use.



Right-Hand Edge Plane

Bronze Edge Plane

This plane is an adaptation of the Stanley #95, a specialty plane not made for many years. It has an integral 90° fence, making its primary use trimming edges of stock square. With appropriate angle blocks it can produce various angles, or widen dados and rabbets to depth. The fence coupled with a low-angle skewed blade makes these jobs simple and precise, working either with or across the grain, or in plywoods.

The body is cast manganese bronze, a hard and durable alloy, that gives a

welcome heft to this small plane. Each tool is carefully polished to a mirror finish. Blades are 1/8" tool steel hardened to a very hard Rockwell 60-62. The extra thickness and hardness gives the blade superior stiffness and edge-holding ability. Our lever adjustment moves the blade with almost zero backlash making adjustment positive and exceptionally smooth. Width of cut is 7/8". Planes are 5 3/4" long. Now also available in a left-hand version.

Bronze Edge Plane	\$ 110.
Replacement Blade	\$ 17.
Left-Hand Edge Plane	\$ 110.

Why bronze? is a question often asked. Iron has been the material of choice for mass-produced tools. We use manganese bronze which is a very hard, strong alloy without the drawback of being too soft like brass and some other bronzes. I prefer manganese bronze to iron for small planes because it is heavier, it doesn't rust, won't crack if dropped and has a wonderful warmth in the hand. We use iron when the extra weight of bronze is not welcome.

Butt Mortise Plane

The Butt Mortise Plane will help you prepare and hang doors in a fraction of the time required to set up a router and template. This tool is easy to use (comes with complete instructions) and will make precise mortises with sharp, square corners to an accurate, uniform depth. The hinge will fit perfectly every time.

Useful for installation of hardware such as hinges, lock fronts, strike plates as well as mortising dutchmen in order to repair flaws in jambs, doors, furniture and floors. The elongated slot in front of the blade provides a clear view of the work during planing. This tool does a job no other plane can do.

A scrub blade is also available for rapid planing when large amounts of stock needs to be removed, such as backplaning trim to fit an uneven wall surface. Timber framers find it invaluable for fitting joints, removing high spots, and leaving a hand-hewn look.

Cast iron body, bronze cap, tool steel blade and cherry handles. Body is $9\frac{5}{8}$ " x $1\frac{1}{2}$ "; blade is $\frac{3}{4}$ " wide.

Butt Mortise Plane	\$ 65.
Replacement Blade	\$ 10.
Scrub Blade	\$ 12.





Bronze Scraping Plane

This scraping plane is an unusual size (body is 5 1/2" long with a 1 3/8" blade) and proportion made to be used as easily in one hand as two. Our interest in it was inspired by the Stanley #212 mentioned as an ideal tool for the demanding work of thicknessing bamboo fly rod sections. The #212 is scarce today and brings high prices from collectors.

This tool is ideally suited to a thousand finishing jobs and will take a shaving of infinitesimal thickness, producing smooth surfaces and crisp edges. Its blade is a hefty 1/8" thick, beveled at 60° and is easily and precisely adjustable. Made of bronze, brass, cherry and tool steel.

Toothed blades, for preparing surfaces for veneering and for working exceptionally difficult grains, are available in coarse (18 teeth per inch) and fine (25 teeth per inch).

Bronze Scraping Plane	\$ 115.
Replacement Blade	\$ 12.
18 TPI Blade	\$ 18.
25 TPI Blade	\$ 25.



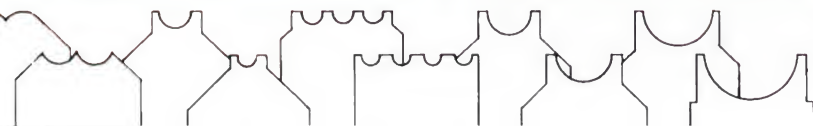
Bronze Beading Tool

Although the modern electric router is a universal and very useful tool, many woodworkers will find the Beading Tool handy and fun to use for producing a variety of decorative mouldings, beading, reeding, fluting and routing with a minimum of fuss.

Our Beading Tool derives from an early, generously proportioned Stanley #66. It has a polished cast bronze body, curved and straight fences, and brass blade clamp.

Seven hardened spring steel double-ended blades ($\frac{5}{8}$ " wide) provide 14 standard shapes (illustrated full-size below) and $\frac{1}{8}$ " and $\frac{1}{4}$ " router. We include two blanks that can be worked with files to make your own shapes. The blades will fit antique Stanleys as well, for those who have or acquire one without blades.

Beading Tool with Blades	\$ 115.
Blades only	\$ 35.
Set of 5 Blanks	\$ 5.





Bronze Rabbet Plane

This 1/2" Bronze Rabbet Plane is a jewel. It is patterned after traditional late 19th century designs, with a cast bronze body, rosewood infill and wedge. Beautifully hand made.

Bronze Rabbet Plane	\$ 90.
Replacement Blade	\$ 14.



*Pouring molten bronze
into hand-made sand molds*

Lie-Nielsen No. 1

The No. 1 is a miniature bench plane, 5 1/2" long with a 1 3/16" blade. Improvements over the original Stanley No. 1 include our usual 1/8" Rc. 60-62 blade, and fully machined mating surfaces between the frog and the body, making for a very solid tool. Also the blade adjust screw runs on a left hand thread stud: a clockwise turn adjusts the blade for a deeper cut. The adjustment is very precise and convenient with minimum backlash.

This feature is found on most larger bench planes, but not on the originals that I have examined. All castings are Manganese Bronze, machined and hand polished to our very high standards.

This plane with its many machined parts, Cherry handle and knob, cam lever cap iron and small size compels you to pick it up and use it.

Lie-Nielsen No. 1	\$ 155.
Replacement Blade	\$ 20.



NEW - We now offer replacement blades for a wide variety of Bench Planes, Block Planes, Rabbet Planes, and Spokeshaves from stock or custom order including long discontinued models. Made by us to the same high quality as our regular blades. Please inquire for prices and details.

Lie-Nielsen Toolworks is also developing a line of traditional bronze Marine Hardware for small boats. Please call us to discuss your interests and needs.

Low Angle Jack

Our Low Angle Jack Plane is based on the Stanley 62, a 14" plane with a 2" blade bedded at 12°. A moveable shoe allows fine adjustment of the mouth.

The body is made from fully stress relieved iron castings. The blade is a hefty $\frac{3}{16}$ " thick, ground razor sharp. Adjustment is very positive with a knurled stainless captive nut, like the Skew Block Plane. The cap iron is Bronze, knob and handle are Cherry.



This is an outstanding plane. The low angle blade set with the bevel up (making this technically a block plane) was originally designed for end grain work – flattening butcher blocks.

Our massive blade makes for very smooth cutting on end or long grain. The generous handle is hand shaped for a comfortable grip. The soles are ground flat. Design and workmanship combine to make a tool that will be a pleasure to own and use every day for years to come.

Special Order only.

Low Angle Jack Plane	\$165.
Replacement Blades	\$ 25.

Lie-Nielsen TOOLWORKS INC.

Makers of Heirloom Quality Tools™

For 12 years Lie-Nielsen Toolworks has been dedicated to producing the highest quality woodworking hand tools available. We make everything in our own shop to exacting standards from castings to adjustment screws, knobs and blades. Blades are machined from solid tool steel, heat treated, then surface ground. Cast parts are begun by making original patterns from wood. Each step after patternmaking - casting, grinding, machining, polishing and assembly - is part of a meticulous effort to produce the highest quality tools we possibly can.

Most of these tools derive from long discontinued Stanley products. Stanley was at one time an awesome source of specialized hand tools. Though no longer readily available they are still state-of-the-art for hand woodworking.

I'm reviving some of them. I also try to refine them where appropriate - such as making thicker, harder blades, more precise fits, ground surfaces, as well as design changes. Some of these changes reflect the fact that these tools are not being mass produced.

I hope you enjoy our tools.

Sincerely,



Thomas Lie-Nielsen

Ordering Information

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Cabinetmaker's Corner Chisel

Producing square mortises is exacting work. The Corner Chisel, used after the mortise has been roughed out by hand or with a slot mortiser - which produces round-edged mortises - helps square corners easily and precisely.

These all steel chisels are made from square tool steel in 6 or 7" lengths. The cutting edge is hardened to Rockwell 60-62 and ground razor sharp. The butt is hardened to Rc 54 for toughness without a tendency to chip.

$\frac{3}{8}$ " Corner Chisel (7") \$ 35. .

$\frac{1}{4}$ " Corner Chisel (6") \$ 30.



Chest Handles

Fully polished cast bronze chest handles are beautiful. Includes two complete handles with mounting screws.

Chest Handle ($3\frac{3}{4}$ " ball) \$ 45.

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Warren, Maine 04864

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